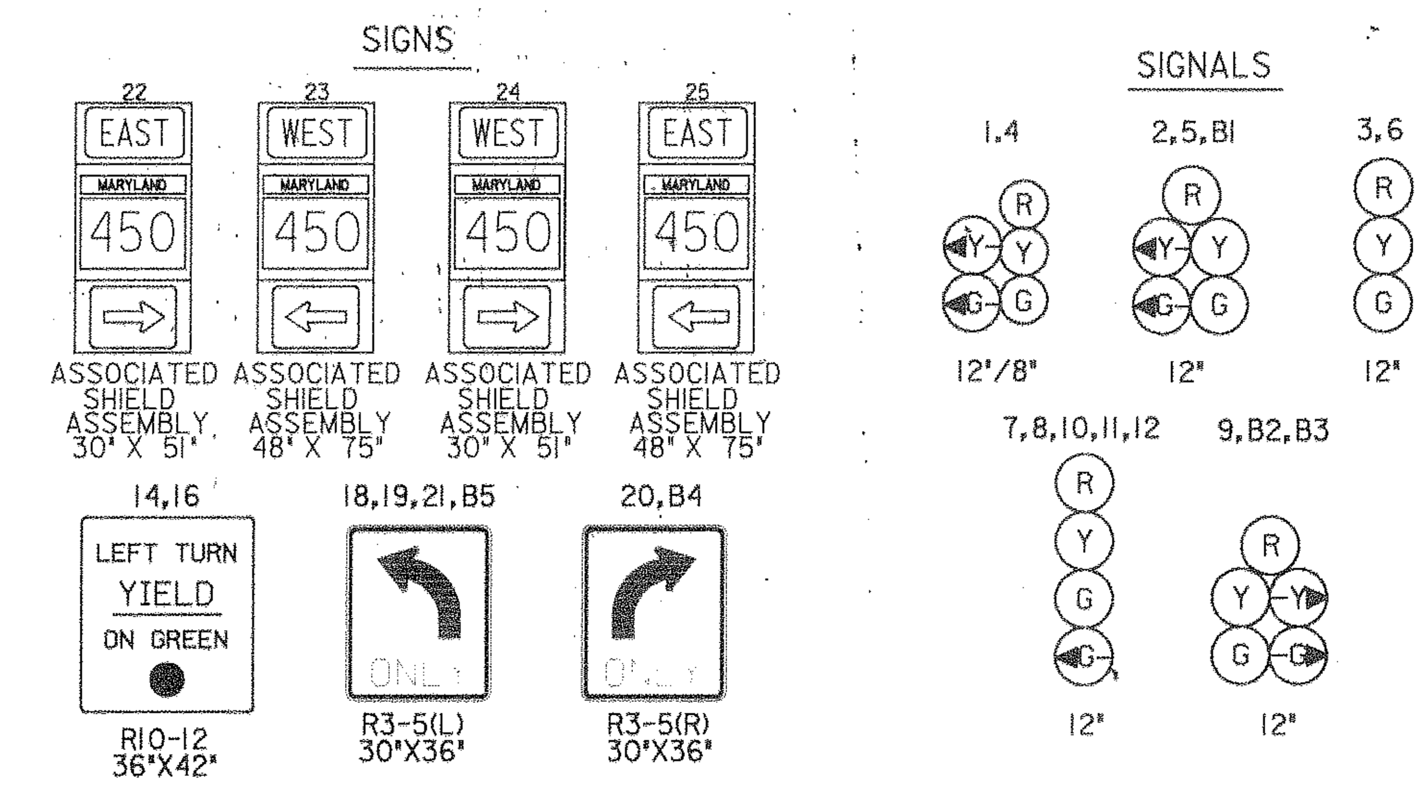
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	369	465

CONSTRUCTION DETAILS

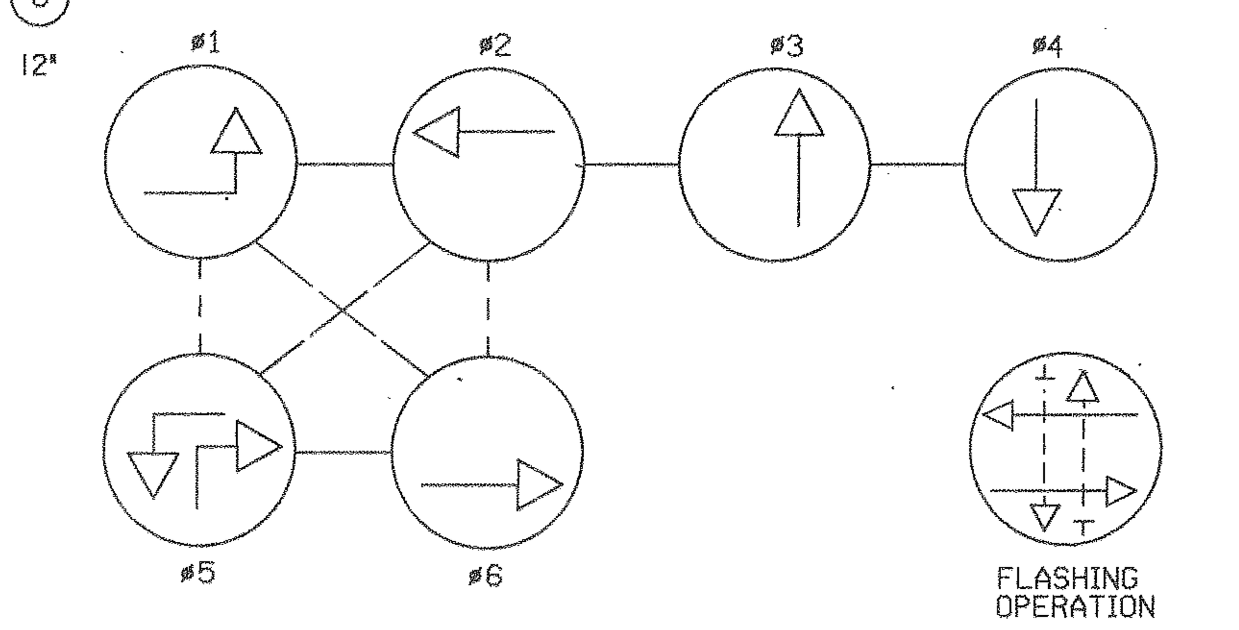
PHASE IV

A. EXISTING CABINET/CONTROLLER TO BE UTILIZED.
B. USE EXISTING STRAIN POLE.
C. USE EXISTING CONDUIT.
D. USE EXISTING HANDHOLE.
E. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS, SIGN AND 1/4 IN. TETHER WIRE. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION/PHASING AND TETHER 5-SECTION VEHICLE SIGNAL HEADS AND SIGNS)
F. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGNS AND REMOVE EXISTING VEHICLE SIGNAL HEADS AND SIGNS. (NOTE: TETHER 4 AND 5-SECTION VEHICLE SIGNAL HEADS AND SIGNS.)
G. USE EXISTING SPAN AND TETHER WIRE. TEMPORARILY BAG EXISTING VEHICLE SIGNAL HEADS AND SIGNS AND REMOVE VEHICLE SIGNAL HEAD AND SIGN AS SHOWN.
H. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
J. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. STEEL TETHER WIRE, VEHICLE SIGNAL HEADS AND SIGNS AS SHOWN. (NOTE: TETHER 4 AND 5-SECTION VEHICLE SIGNAL HEADS AND SIGNS.



NOTE: SIGNALS 1-12 AND SIGNS 18,19,21 ARE PROPOSED.
SIGNS 13,14,15,16,17,20 ARE EXISTING AND ARE TO BE RELOCATED.
SIGNS 22,23,24,25 ARE EXISTING AND ARE TO REMAIN.
SIGNAL/SIGN LABELED B1,B2,B3,B4,B5 ARE EXISTING AND ARE TO REMAIN AND ARE TO BE BAGGED.

NEMA PHASING



1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY

K. INSTALL HANDHOLE.
L. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
M. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE GENERAL NOTE 1)
O. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
P. INSTALL 6 FT. X 6 FT. VEHICLE LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
Q. INSTALL MICRO-LOOP PROBE TYPE VEHICLE DETECTOR.
R. INSTALL 24 IN. PREFORMED WHITE PAVEMENT MARKING FOR STOP LINE.
S. INSTALL 10 FT. PEDESTAL POLE. (NOTE: ONE 2 IN., 90-DEGREE (SCH. 40) PVC BEND [USE FOUR 1 IN. X 40 IN. ANCHOR BOLTS]
T. USE EXISTING HANDHOLE AND SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR ALUMINUM-SHIELDED CABLE.
U. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.
V. ABANDON EXISTING VEHICLE DETECTOR.
W. EXISTING VEHICLE LOOP TO REMAIN. DISCONNECT AT CONTROLLER, LOOP TO BE USED IN FUTURE PHASE.
X. PROPOSED STREET LIGHT POLE (REFER TO DWGS. E-1 AND E-4).
Y. MAINTAIN EXISTING VEHICLE DETECTOR.

GENERAL NOTES

1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
4. FOR THE LOCATION OF THE "ARROW" AND "ONLY" PAVEMENT MARKINGS AND SIGNS, SEE THE TRAFFIC CONTROL PLAN TCP-61.
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
STORM DRAIN	SD
CABLE TV	TV

TEMPORARY SIGNAL PHASE IV

DWG. NO. TS - 23

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS

Ⓒ AUGUST 1996 -WTB MODIFY EXISTING SIGNAL SHA NO. PG9005171
JDM | | | | BEK |

Ⓑ 2/91 CHANGE SIGNALS TO POLYCARBONATE, ADJUST SPAN SHA NO. 855-2503.039
JT | SF | | | ETP | TH

Ⓐ INTSTALL E/P LEFT TURN FOR NB MD 953
DBD | SF | DZ | ETP | | TH

APPROVALS

ASST. DIVISION CHIEF, TEDD
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 (ANNAPOLIS ROAD) AT MD 953 (GLENN DALE ROAD)

LOG MILE NO. 1604507.9 DATE 9/-/90

DRAWN BY:	D. DICKERSON (9-90)	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHECK BY:	N/A	S.H.A. NO.	N/A		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	TS-3083C-X3-P	369 OF 465

FILE NO. SS375450.DGN
09-10-96 GFP/JJS